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NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF WASTE MANAGEMENT



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June 1, 1998

Fac/Perm/Co ID # <i>b</i>	Date <i>06/01/98</i>	Doc ID# DIN
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Mr. Roger Bartlett
Western Builders
P.O. Box 96
Sylva, N.C. 28779

RE: Water Quality In The Vicinity Of The Jackson County
Landfill (Permit Number 50-02)

Dear Mr. Bartlett,

My letter of May 26 was written in response to our telephone conversation of May 22. However, since my letter went out before I received a copy of your letter of May 22, I did not know of your request for "a comparison of the analytical data to the NC groundwater standards". The NC Groundwater Standards for the constituents detected at the Jackson County Landfill are as follows:

Barium	2.0 mg/l
Cobalt	no standard
Lead	0.015 mg/l
Tin	no standard
Mercury	0.0011 mg/l
Zinc	2.1 mg/l
Benzene	1.0 ug/l
1,1-Dichloroethane	700.0 ug/l
1,1,1-Trichloroethane	200.0 ug/l
Xylenes	530.0 ug/l
Chlorobenzene	50.0 ug/l
1,4-Dichlorobenzene	75.0 ug/l
cis-1,2-Dichloroethene	70.0 ug/l
Tetrachloroethylene	0.7 ug/l

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Based upon the current NC Groundwater Standards listed above, a comparison to the data from the Jackson County Landfill monitoring wells (that was forwarded to you in my recent letter) indicates the following constituents exceed the Standards:

- Benzene in Monitoring Well #1
- Tetrachloroethylene in Monitoring Well #4, and
- Benzene and cis-1,2-Dichloroethene in Monitoring Well #5

The levels of contaminants shown are only slightly above the Standards and it is not likely that contamination would migrate off-site in a direction that could affect water supply wells. The Jackson County Landfill is currently proceeding with assessment monitoring as required by the N.C. Solid Waste Management Rules.

Thank you for the map you forwarded to me showing the location of your water supply well. As I stated in my recent letter, the Solid Waste Section Permitting Branch had assumed, based upon information supplied to us in the Transition Plan, that Western Builders was using the public water supply system. In subsequent conversations with members of our Groundwater Compliance Unit, I found out that they were aware that Western Builders has a water supply well.

Based upon previous conversations with you by members of our Groundwater Compliance Unit, it is our understanding that while your supply well is providing water for Western Builders, bottled water is being used for drinking water. Your well was sampled by our office on May 6, 1997. Results of that sampling indicated no detection of contaminants at that time. Based upon the ground-water flow in the vicinity of the landfill, it is not likely that the landfill would affect water quality in your well. However further ground-water quality assessment will continue at the landfill site in order to ensure protection of public health.

Thank you for contacting me and for providing the map showing the location of your water supply well. Once again, any additional information you may be able to provide the Solid Waste Section regarding the design of the well or additional testing of water quality in the well would be useful to us in our continuing evaluation of ground-water quality in the vicinity of the Jackson County Landfill site.

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If you have any further questions regarding water quality in the vicinity of the landfill or if we can be of any further assistance, please contact us at (919) 733-0692.

Sincerely,

Bobby Lutfy

Bobby Lutfy
Hydrogeologist
Solid Waste Section

cc: Mark Poindexter - Solid Waste Section
Jim Patterson, SWS - Asheville